

7. What is claimed is:

1. An axle driving apparatus which contains a hydraulic pump driven by an engine and a hydraulic motor connected in association with axles in a transmission casing supporting left and right axles, characterized in that:

said hydraulic pump is vertically disposed so as to dispose a pump shaft vertically with respect to said axles,

said hydraulic motor is horizontally disposed so as to dispose a motor shaft in parallel to said axles, and

a center section to which said hydraulic pump and hydraulic motor are mountable is fixed in said transmission casing.

2. An axle driving apparatus according to Claim 1, characterized in that:

said transmission casing is divided into two vertical casings,

said pump mounting surface of said center section is disposed in parallel with respect to the divided surface of said transmission casing,

said motor mounting surface is disposed vertically to said divided surface, and

said center section is mounted to one of said

upper half casing and lower half casing, the axis of said motor shaft is positioned on the dividing line of said transmission casing, and bearings for said motor shaft are held between said upper half casing and said lower half casing.

3. An axle driving apparatus according to Claims 1 and 2, characterized in that said center section is provided at the pump mounting surface thereof with a rotary surface of a pump cylinder block and a bearing for said pump shaft and at said motor mounting surface with a rotary surface of a motor cylinder block and a bearing for said motor shaft, said pump mounting surface and motor mounting surface being disposed in an L-like shape, said center section being constituted to be about L-like-shaped when viewed in section.

4. An axle driving apparatus according to Claim 2, characterized in that said center section is mounted to said upper half casing, the casing mounting portion extending on the same plane as said pump mounting surface at said center section so as to be on the same plane as the butt joint surface of said upper half casing with respect to said lower half casing.

5. An axle driving apparatus according to Claims 1, 2 and 4, characterized in that said center section

is provided at three portions with bolt bores through which bolts are insertable from above respectively, so that said three bolts inserted into said bolt bores fix said center section to the lower surface of said upper half casing.

6. An axle driving apparatus according to Claim 3, characterized in that said bearings for said pump shaft and motor shaft use spherical bushes respectively.